Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	09/14/2020 11:29 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	127071	1	3.02	127084	3.04
Blue	F	SSC	125000	125020	0	2.04	125780	2.07
Blue	E	FITC	15892	15554	-3	2.89	340	21.44
Blue	D	PE	29999	29543	-2	2.05	644	15.83
Blue	B	PerCP-Cy5-5	43732	43711	-1	3.88	1169	20.85
Blue	A	PE-Cy7	30845	31343	1	6.41	598	42.46
Red	C	APC	46112	45066	-3	2.43	1595	12.05
Red	A	APC-Cy7	30458	29463	-4	2.38	782	12.28
Violet	B	V450	7918	7604	-4	4.08	431	13.73
Violet	A	V500	32171	30891	-4	3.76	725	10.89

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17288	15.15	653	32	N/A	N/A	Pass
Blue	F	SSC	57119	1.44	583	24	N/A	N/A	Pass
Blue	E	FITC	61	67.39	552	9	0.0170	128	Pass
Blue	D	PE	134	52.51	558	10	0.1335	243	Pass
Blue	B	PerCP-Cy5-5	216	51.99	666	10	0.0088	92	Pass
Blue	A	PE-Cy7	111	108.85	713	15	0.0103	28	Pass
Red	C	APC	380	25.25	589	5	0.0248	164	Pass
Red	A	APC-Cy7	173	29.25	560	4	0.0052	878	Pass
Violet	B	V450	66	61.58	460	2	0.0429	1899	Pass
Violet	A	V500	109	36.03	476	2	0.0204	926	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	09/14/2020 11:29 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-33.51	-32.42	1.03
Blue	20.36	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.41
Red	16.48	13.60 - 20.40	N/A	N/A	29.09	30.20	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.74

Threshold

Threshold (FSC): 9959

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments